

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

```

In re Application of:
:
:
:
Robert SHEFFIELD et al.
:
:
:
Group Art Unit: unassigned
Appln. No.: unassigned
:
:
Examiner: unassigned
Filed: herewith
:
:
:
For: REDUCED CIRCUIT TRACE
:
ROUGHNESS FOR IMPROVED
:
SIGNAL PERFORMANCE
:
:

```

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty under 37 C.F.R. § 1.56 of each individual associated with the filing and prosecution of the above-identified patent application (hereinafter, "associated individuals") to disclose all information known to that individual to be material to patentability, Applicants hereby submit attached Form PTO-1449 (modified) listing cited references. This submission is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure.

The cited references, while believed to be of some relevance, are not necessarily considered to teach or suggest any aspect of the invention described and claimed in the above-identified patent application. Applicants hereby expressly reserve the right to swear behind the effective dates of any of the cited references. Applicants further reserve the right to question the relevance, materiality, and/or prior art status of any of the cited references in whole, in part, or in combination, subsequent to the filing of this information disclosure statement. This information disclosure statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this information disclosure statement discloses only the best references of which the associated individuals are aware.

The Examiner is respectfully requested to consider each of the cited references, to indicate such consideration by initialing in the space provided next to each cited reference on the enclosed Form PTO-1449 (modified), to sign the initialed Form PTO-1449 (modified), and to return a copy of the same with the next communication to the Applicants.

For the convenience of the Examiner in considering the cited references, a copy of each of the cited references is enclosed with this communication. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

In accordance with 37 CFR § 1.97(b), this information disclosure statement is being filed within three months of the filing date of the above-identified patent application and before the mailing date of a first Office Action on the merits for the above-identified patent application. Accordingly, no statement or fee is required.

Patent Application
Attorney Docket No.: 57983.000131
Client Reference No.: 15901ROUS01U

Please charge any shortage in fees due in connection with
the filing of this communication to Deposit Account No. 50-0206,
and please credit any excess fees to such deposit account.

Respectfully submitted,

Hunton & Williams LLP

By: 

Thomas E. Anderson
Registration No. 37,063

TEA/cyc

Hunton & Williams LLP
1900 K Street, N.W.
Washington, D.C. 20006-1109
Telephone: (202) 955-1500
Facsimile: (202) 778-2201

Date: September 23, 2003

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO.: 57983.000131		SERIAL NO.: To be assigned	
LIST OF MATERIALS CITED BY APPLICANT (Use several sheets if necessary)					INVENTOR'S NAME: Robert Sheffield, et al.		EXAMINER: To be assigned	
					FILING DATE: Herewith		GROUP: To be assigned	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	1.	US-6476330	11/05/2002	Otsuka et al.			
	2.	US-20020060090	05/23/2002	Ozeki et al			
	3.	US-20020155021	10/24/2002	Nagai et al.			
	4.	US-20030006063	01/09/2003	Otsuka et al.			
	5.	US-20030096082	05/22/2003	Nagai et al.			
	6.	US-20030108766	06/12/2003	Nagai			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO

OTHER MATERIALS (Including Author, Title, Date, Pertinent Pages, Etc.)		
1		Howard Johnson, Ph.D, "Signal Integrity: Surface Roughness," EDN, December 6, 2001, pp. 30, 32.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.